ASSIGNMENT-8

NAME: Sunkesula Siva Kumari

EMPLOYEEID: 2608243

BATCH: 240

Jobsora is a standalone application that will be launched soon, to help a wide range of job seekers around

the globe. To serve the job seekers better, Jobsora would like to collect the details of the job seekers and

maintain the same till the person gets placed. The application development team is working parallelly on

various modules of the application. You are expected to create the Jobseeker Registration Module alone

by performing the following steps:

1. Create a Maven project called JobSeekerRegistration using the archetype maven-archetypequickstart.

2. Create a class called JobSeekerDetails.java under the package com.jobs.register which holds

the following properties:

• name

• age

• qualification

• experience

• domain-of-expertise

• salary-expected

3. Accept the data from user and persist the details in the Jobseeker table of the application's

database. The code for persistence must be written in the class, JobSeekerRegistration.java.

Note: MySQL is used as the persistent store for the application (add dependency for the same).

4. Avail Maven's support to build and deploy this module to check whether the module works as

expected.

5. Test the application for displaying details of all the users who have applied for the job.

Implement it using Junit framework. The code for running test cases must be written in the

class, TestJobSeekerInfo.java (add dependency for the same).

**package** com.jobs.register;

**public** **class** JobSeekerDetails {

**private** String name;

**private** **int** age;

**private** String qualification;

**private** **int** experience;

**private** String domainOfExpertise;

**private** **double** salaryExpected;

// Constructor

**public** JobSeekerDetails(String name, **int** age, String qualification, **int** experience, String domainOfExpertise, **double** salaryExpected) {

**this**.name = name;

**this**.age = age;

**this**.qualification = qualification;

**this**.experience = experience;

**this**.domainOfExpertise = domainOfExpertise;

**this**.salaryExpected = salaryExpected;

}

// Getters and setters

**public** String getName() {

**return** name;

}

**public** **void** setName(String name) {

**this**.name = name;

}

**public** **int** getAge() {

**return** age;

}

**public** **void** setAge(**int** age) {

**this**.age = age;

}

**public** String getQualification() {

**return** qualification;

}

**public** **void** setQualification(String qualification) {

**this**.qualification = qualification;

}

**public** **int** getExperience() {

**return** experience;

}

**public** **void** setExperience(**int** experience) {

**this**.experience = experience;

}

**public** String getDomainOfExpertise() {

**return** domainOfExpertise;

}

**public** **void** setDomainOfExpertise(String domainOfExpertise) {

**this**.domainOfExpertise = domainOfExpertise;

}

**public** **double** getSalaryExpected() {

**return** salaryExpected;

}

**public** **void** setSalaryExpected(**double** salaryExpected) {

**this**.salaryExpected = salaryExpected;

}

@Override

**public** String toString() {

**return** "JobSeekerDetails{" +

"name='" + name + '\'' +

", age=" + age +

", qualification='" + qualification + '\'' +

", experience=" + experience +

", domainOfExpertise='" + domainOfExpertise + '\'' +

", salaryExpected=" + salaryExpected +

'}';

}

}

**package** com.jobs.register;

**import** java.sql.Connection;

**import** java.sql.DriverManager;

**import** java.sql.PreparedStatement;

**import** java.sql.SQLException;

**import** java.util.Scanner;

**public** **class** JobSeekerRegistration {

**private** **static** **final** String ***URL*** = "jdbc:mysql://localhost:3306/database2";

**private** **static** **final** String ***USER*** = "root";

**private** **static** **final** String ***PASSWORD*** = "root";

**public** **static** **void** main(String[] args) {

Scanner scanner = **new** Scanner(System.***in***);

System.***out***.println("Enter Job Seeker Details:");

System.***out***.print("Name: ");

String name = scanner.nextLine();

System.***out***.print("Age: ");

**int** age = scanner.nextInt();

scanner.nextLine(); // Consume newline

System.***out***.print("Qualification: ");

String qualification = scanner.nextLine();

System.***out***.print("Experience (years): ");

**int** experience = scanner.nextInt();

scanner.nextLine(); // Consume newline

System.***out***.print("Domain of Expertise: ");

String domainOfExpertise = scanner.nextLine();

System.***out***.print("Expected Salary: ");

**double** salaryExpected = scanner.nextDouble();

JobSeekerDetails jobSeeker = **new** JobSeekerDetails(name, age, qualification, experience, domainOfExpertise, salaryExpected);

*saveJobSeekerToDatabase*(jobSeeker);

}

**public** **static** **void** saveJobSeekerToDatabase(JobSeekerDetails jobSeeker) {

String sql = "INSERT INTO Jobseeker (id, name, age, qualification, experience, domain\_of\_expertise, salary\_expected) VALUES (?, ?, ?, ?, ?, ?)";

**try** (Connection connection = DriverManager.*getConnection*(***URL***, ***USER***, ***PASSWORD***);

PreparedStatement statement = connection.prepareStatement(sql)) {

statement.setString(1, jobSeeker.getName());

statement.setInt(2, jobSeeker.getAge());

statement.setString(3, jobSeeker.getQualification());

statement.setInt(4, jobSeeker.getExperience());

statement.setString(5, jobSeeker.getDomainOfExpertise());

statement.setDouble(6, jobSeeker.getSalaryExpected());

**int** rowsInserted = statement.executeUpdate();

**if** (rowsInserted > 0) {

System.***out***.println("A new job seeker was inserted successfully!");

}

} **catch** (SQLException e) {

e.printStackTrace();

}

}

}

**package** com.jobs.register;

**import** org.junit.Test;

**import** junit.framework.Assert;

**public** **class** TestJobSeekerInfo {

@Test

**public** **void** testJobSeekerDetailsCreation() {

JobSeekerDetails jobSeeker = **new** JobSeekerDetails("John Doe", 30, "B.Sc", 5, "Software Engineering", 75000.0);

Assert.assertEquals("John Doe", jobSeeker.getName());

Assert.assertEquals(30, jobSeeker.getAge());

Assert.assertEquals("B.Sc", jobSeeker.getQualification());

Assert.assertEquals(5, jobSeeker.getExperience());

Assert.assertEquals("Software Engineering", jobSeeker.getDomainOfExpertise());

Assert.assertEquals(75000.0, jobSeeker.getSalaryExpected(), 0.0);

}

}